

a step of creating a first profile related to the operation for which said instruction data is received by said computer, and sending said profile to a first profile-storage unit;

a step of identifying the user that executed said operation by said instruction data, creating a second profile related to the operation executed by said user, and sending said profile to a second profile-storage unit; and

a step of obtaining at least one profile from said first profile-storage unit or said second profile-storage unit, comparing said instruction data with said profile(s), and calculating a score for determining whether said operation is an unauthorized operation.

ABSTRACT

There is provided an unauthorized-operation-judgment system for judging whether an operation received by a computer is an unauthorized operation by referencing a profile to find a peculiar action. This system can cope with an unauthorized operation due to a change of a computer by an authorized user and an unauthorized operation by a new user whose user profile is not yet created. When a user executes a certain operation, the operation tendency and the operation tendency executed by the user are learned to create a node profile and a user profile, which are stored in a node-profile-state table and a user-profile-state table of each user, respectively. The node profile and the user profile thus created are referenced so as to perform deviation calculation between the operation received and the normal operation pattern, thereby judging whether the operation is peculiar and calculating the possibility of an unauthorized operation as a score value.